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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION OF: Alison L. SPARKS

ART UNIT:

SERIAL NO.: 10/038,626

EXAMINER:

FILING DATE: January 8, 2002

FOR: DENDRITIC CHEMILUMINESCENT SUBSTRATES

PRELIMINARY AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Prior to examination on the merits, entry of the following amendments are respectfully requested.

IN THE SPECIFICATION

Delete the second full paragraph at page 8, line 10 through page 9, line 2, and insert therefor the following:

AI --In addition to dioxetane, luminol derivatives, acridinium esters, acridinium sulfonylamides and luciferin have been employed as chemiluminescent labels in bioassays (Schroeder et al., Anal. Chem., 50, 1114 (1978); Arakawa et al., Anal. Biochem., 97, 248 (1979); and Arakawa et al., Clin. Chem., 31, 430 (1985). For reviews, see: Kricka et al., Clinical and Biochemical Luminescence, L. J. Kricka and T. J. N. Carter (Eds.), Chapter 8, Marcel Dekker, Inc., New York (1982); Kricka, Ligand-Binder Assays, Chapter 7, Marcel Dekker, Inc., New York, (1985); McCapra et al., Bioluminescence and Chemiluminescence: Instruments and Applications, Vol. I, K. Van Dyke (Ed.), CRC Press, Inc., Boca Raton, Fla. (1985), Chapter 2 (note, in particular, the section on dioxetanes, page 13); and Barnard et al., Ibid, Ch. 7). The enzyme labels have been detected by color or fluorescence development techniques. More